

# PRESERVATIVE COATINGS



**THE STANDARD  
PAINT COMPANY**  
CHICAGO, BOSTON  
NEW YORK

FRANKLIN INSTITUTE  
PHILADELPHIA

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# PRESERVATIVE COATINGS

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**P**AIN'T is a protective coating. The right kind of Paint is acid-resisting, waterproof and durable; neither dries out nor dusts off, does not check, peel or flake. When properly applied, it stays where it is placed until in the course of time, it wears out like everything else—then a second coat is needed. The manufacturer who claims his paint is everlasting, knowingly misleads the consumer, for he promises more than he can perform, and, if the consumer expects the impossible, he deceives himself and assists the manufacturer in the deception.

## The Standard Paint Company

General Offices

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BOSTON



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# SPECIAL PRESERVATIVE PAINTS



THE object of this booklet is to present in a concise manner the properties and uses of the various paint preparations manufactured by The Standard Paint Company.

In glancing over the following pages it will be observed that the products described come within the category of "Special Paints" rather than "Ordinary Paints." A Special Paint is manufactured for a definite purpose, whereas Ordinary Paints include house paints and coatings that may be put to a variety of uses.

To obtain successful results with *any* Paint, it is primarily essential that it be manufactured skilfully and honestly. A part of the responsibility, however, falls upon the consumer, and it is equally important that he should know how to correctly use the Paint. In the case of a Special Paint he should understand for what particular purpose it is intended. The very best Paint is doomed to failure if used under adverse conditions, or for purposes for which it is not adapted.

Responsibility, therefore, is divided equally between the manufacturer and the consumer, and to fully comply with our portion thereof we issue this booklet. Preservative Coatings may be grouped into three general classes:

- First.....Oil Paints
- Second.....Solvent Paints
- Third.....Varnishes

OIL PAINTS consist largely of Linseed Oil *mechanically* mixed with powdered colored pigments. They dry by *oxidation*, or in other words, by *absorption* of atmospheric oxygen. During this process the oil gains about 12 per cent. in weight, becoming converted into a tough, flexible film. Flexite Paints, Structural Brand Paints and Masonry Finishes come within this class.

SOLVENT PAINTS consist of inert gums, dissolved in volatile solvents with or without the addition of pigments. These do not dry by oxidation, but set by the evaporation or loss of the solvent. Solvent Paints will not spread over as great an area as oil paints. S P C Flexible Iron Paint, Peacock Ready Roofing Paint, P & B Paint, S P C Non-Inflammable Paint, Boiler & Stack Paint, and the Star and Special Brands of Asphaltum Paint are included in this class. We use no coal tar in any of our paints.

VARNISHES are intermediate between the other two classes. They do not contain powdered pigments, but consist of gums combined with linseed oil and dissolved in a volatile solvent. They dry partially by evaporation and partially by oxidation. This class includes the S P C Asphaltum Varnish, S P C Floor Varnish and S P C Cement Floor Filler.

The tables on page 16 convey a general idea for what purpose the above coatings are to be used. A fuller description, however, will be found in the text under each heading.





# OIL PAINTS

## FLEXITE PAINTS (Metal Preservative)

**COLORS:**—Black, Red, Olive, Green, Grey and Light Grey, also Graphite, (Dark Grey.)

**COMPOSITION:**—They contain inert pigments ground impalpably fine, in PURE linseed oil combined with other substances of a peculiar nature, the function of which is to overcome the inherent porosity and water-absorbing properties of the oil, thus rendering it moisture repellent and increasing its weather resistance.

**FLEXITE PAINTS** contain as small an amount of drier as is consistent with fairly rapid drying qualities.

**CHARACTERISTIC PROPERTIES:**—**FLEXITE PAINTS** dry by oxidation in from 12 to 24 hours under normal conditions, forming lustrous coats, which retain their original gloss for an exceptionally long period. They cover well, spread easily and work freely under the brush. When dry the coatings will resist the actions of lubricating oil, petroleum, etc. They stand up exceptionally well under exposure to locomotive gases and other corrosive fumes.

**USES:**—**FLEXITE PAINTS** are recommended for all metal work exposed to the weather, such as structural steel, iron or metal buildings, bridges, steel cars, car trucks, metal roofs, fences, gas holders, etc.

They are not intended for metal work continually submerged or immersed in liquids for long periods at a time.

**APPLICATION:**—**FLEXITE PAINTS** should be applied in two coats, or one coat may be applied over a prime coat of red lead and oil. The metal surface should be absolutely clean and free from moisture, grease, rust, mill scale, dirt and loose or detached coats of paint. The paint should not be applied in rainy or freezing weather and only when all surfaces are thoroughly dry. Stir well, so as to bring the pigment into uniform suspension. They will spread 500 to 700 square feet to the gallon, depending upon the condition of the surface.

New galvanized iron before painting should first be treated with a special preparation which we can recommend for the purpose. This treatment is absolutely essential in order to prevent subsequent peeling, as no oil paint will of itself hold on galvanized iron. In case thinning is found necessary, use only pure spirits of turpentine.



## STRUCTURAL BRAND PAINTS

COLORS:—Black, Red, Yellow, Green, also Graphite. (Dark Grey.)

COMPOSITION:—These are good durable paints made on the same order as the FLEXITES, but with a slightly lower quality oil.

CHARACTERISTIC PROPERTIES:—Dry by oxidation in from 24 to 36 hours under normal conditions. Work easily and spread well, although they will not spread quite as far as the FLEXITE PAINTS.

USES:—STRUCTURAL BRAND is recommended for all general exterior work, both for wood and for metal, where, for any reason, an oil paint lower in price than FLEXITE is required.

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## RU-BER-INE

COLOR:—Black, Red, and Green.

This is a unique product, composed of the same ingredients that have been used for over twenty-five years in manufacturing the weather-coating of RU-BER-OID ROOFING.

CHARACTERISTICS:—RU-BER-INE has much greater penetrating properties than the ordinary asphalt paints and, unlike them, does not dry out upon exposure to the weather, but retains its pliability and toughness for a long time. It will adhere to any surface and will dry fairly firm in 12 to 24 hours.

USES:—Designed for use principally as a coating for prepared felt roofing, but is likewise highly efficient for metal roofing. It will withstand the action of smoke and fumes exceptionally well, and will hold its color.

APPLICATION:—It spreads about 200 square feet per gallon on felt roofing, and 225 to 250 square feet on metal. One good coat is usually sufficient. It may be thinned with naphtha if necessary.





# MASONRY PAINTS

## S P C DAMPPROOFING PAINT

COLOR:—Black.

COMPOSITION:—Consists of a highly waterproof and weatherproof base, dissolved in a volatile solvent.

CHARACTERISTIC PROPERTIES:—Dries by evaporation to a tacky coating in from 12 to 24 hours. It attaches itself firmly to all varieties of masonry, and possesses the additional feature of permitting the subsequent application of plaster or cement directly upon the layer of paint, forming a tenacious bond therewith. It prevents all external moisture or dampness from entering the plaster or cement, avoiding the possible formation of stains and discolorations, and assists in maintaining an even temperature in the building. When used on the inside of buildings not to be plastered, heavy whitewash may be applied over it.

USES:—For dampproofing foundation walls, floors or any masonry that may be exposed to moisture. In brick buildings, when applied on the inside of exposed walls, it dispenses with the necessity of furring and lath, thus effecting an economy in both cost and space.

APPLICATION:—The surface of the masonry should be finished as smoothly as possible, and all joints should be well filled. The paint should not be applied to wet surfaces, but it will, however, form a bond with masonry that is but slightly damp. It needs no stirring and is supplied ready for use. Apply a liberal coat, taking care to cover the surface well.

Where the masonry surface is smooth, one coat of S P C DAMPPROOFING PAINT will prove sufficient. It is recommended, however, that two coats be applied to avoid defective joinings and pin-holes and to insure a good even surface, since the porosity of the wall may not be entirely uniform. Twenty-four hours should be allowed to elapse before applying the plaster over it. The paint will spread from 60 to 100 square feet per gallon, depending upon the condition of the underlying surface. S P C DAMPPROOFING PAINT will effectively prevent all inroads of dampness, but it is not recommended to withstand the direct and continuous action of water. See page 7 for S P C Clear Damp Proofing paint for OUTSIDE of walls.





## S P C CLEAR DAMPPROOFING PAINT

COLOR:—Transparent and recommended for outside work.

COMPOSITION:—Consists of a colorless base and solvents.

CHARACTERISTIC PROPERTIES:—It will cover about 400 square feet per gallon and spreads easily.

USES:—Designed especially for the outside of brick or cement structures where leakage through the walls occurs, and where it is not convenient to waterproof the walls on the inside, or to apply a colored paint on the outside. It will darken cement slightly, but its effect is hardly noticeable on brick work.

The S P C CLEAR DAMPPROOFING PAINT carries a greater percentage of base than is found in most other clear paints of this character.

APPLICATION:—Care should be taken to see that the paint is well brushed on and thoroughly fills all voids. Two or three coats should be applied. To obtain best results the paint should be spread during warm or moderate weather, as it will congeal at low temperatures.

(See page 6 for S P C DAMPPROOFING PAINT for the inside of walls before plastering.)

## S P C MASONRY FINISH

COLORS:—Natural, Cream, Mentone Yellow, Brick Red, Caenstone, French Caenstone, Cement Grey and White.

COMPOSITION:—Consists of a flat-drying colored enamel.

CHARACTERISTIC PROPERTIES:—Spreads about 200 square feet per gallon and is highly weather resisting.



USES:—S P C MASONRY FINISH is designed principally for use on brick or cement walls, either inside or outside. The first coat should be allowed to dry 24 hours before applying the second coat. When used on the outside of walls more than two years old S P C MASONRY FINISH may be applied in two coats without the use of the Primer. On walls that have stood for a shorter time, S P C MASONRY PRIMER should be used for the first coat, and S P C MASONRY FINISH as the second or finishing coat.

## S P C MASONRY PRIMER

This material should not be applied until the masonry has been allowed to cure 3 to 4 weeks. The walls must be thoroughly dry, particularly if they are painted on the inside, as any moisture sealed in the walls, is sure to work its way out and injure the coating. S P C MASONRY PRIMER should be allowed 24 hours to dry before following with the second coat—S P C MASONRY FINISH.

S P C MASONRY PRIMER will spread 160 to 200 square feet per gallon.

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### S P C CEMENT FLOOR FILLER (Clear)

For First Coat

AND

### S P C CEMENT FLOOR FINISH (In Colors)

For Second Coat

COLORS:—The Filler is Transparent. The Finish is manufactured in eight standard shades.

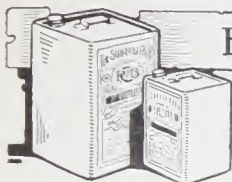
COMPOSITION:—The Finish consists of a varnish with colored pigments.

CHARACTERISTIC PROPERTIES:—The Filler combines with the free alkali in the cement, forming a substance which inhibits further action and renders the floor hard and dustless.

The colored Finish dries to a hard, enamel surface in 12 to 24 hours.

USES:—The friction to which a cement floor is ordinarily subjected results in a constant dusting and separation of the fine particles from the surface. This action can be overcome by the use of S P C CEMENT FLOOR FILLER as a first coat, followed by a second coat either of the same material, or of S P C CEMENT FLOOR FINISH.





## BITUMINOUS PAINTS

Acid Resisting and Protective

### P & B PAINT

This is one of the oldest and best known acid-resisting paints on the market.

**COLOR:**—Black.

**COMPOSITION:**—Consists of a practically indestructible mineral base dissolved in one of the most volatile and penetrating solvents known. It is entirely free from coal tar.

**CHARACTERISTIC PROPERTIES:**—It is prepared in three grades. No. 1, the thinnest, which dries almost immediately, resulting in a maximum degree of penetration, with a spreading capacity of about 200 square feet to the gallon. No. 2, is the standard grade, which dries in about a quarter of an hour, and spreads about 150 square feet to the gallon. No. 3 possesses a fairly heavy body, forms a thick surface coating, dries in about a half hour, and spreads in the neighborhood of 100 square feet to the gallon. All three grades will dry to highly lustrous, hard, black coatings, which will withstand the action of acids, alkalies, brine and other corrosive solutions, and will not soften at temperatures under 195° F. They will not however, resist the action of oils, lubricants and petroleum vapors.

**USES:**—Suitable for coating pipes, cables, condensers, etc. When dry it is absolutely odorless and tasteless, and may therefore be used to advantage on the interior of receptacles to contain water, cider, vinegar, etc., without danger of tainting the liquids. It may also be used for lining vats, tanks, barrels and casks. It is unequalled for protecting the floors, sills and other parts of stock, dairy and refrigerator cars, subjected to the action of water, urine, brine, etc. It is adapted for work around smelters, for painting cyanide tanks; also for cold-storage and ice-plants, etc. The heavy grade is especially adapted for waterproofing brick work, cement and concrete, and for all submerged or underground work, including cables and conduits.

**APPLICATION:**—P & B PAINT need not be stirred or mixed, but is ready for instant application. It should be flowed on quickly, owing to its rapid drying properties, and for this same reason all packages should be kept tightly sealed when not in use, to prevent thickening. In case thinning is found necessary, use nothing but P & B THINNER, which may be procured from the manufacturers.



## P & B PAINT—Continued

**CAUTION:**—Care should be exercised not to use P & B PAINT in the vicinity of a flame, as the solvent is highly inflammable, and owing to its penetrating vapors, it should not be applied in confined spaces where there is poor circulation of air. For such places including the interiors of tank cars use S P C NON-INFLAMMABLE PAINT.

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### SPECIAL P & B PAINT

**COLOR:**—Black.

**COMPOSITION:**—SPECIAL P & B PAINT is precisely the same as the regular brand, with the exception of the solvent. Regular P & B PAINT throws off heavy vapors possessing a somewhat strong odor, but by using a different solvent, SPECIAL P & B PAINT is rendered practically odorless, which makes it particularly desirable for use in confined spaces.

**CHARACTERISTIC PROPERTIES:**—SPECIAL P & B PAINT is prepared in one grade corresponding to regular P & B PAINT No. 2, and possessing the same spreading capacity and but slightly slower drying properties. The characteristics of the SPECIAL P & B PAINT when dry are precisely the same as the regular P & B PAINT.

**USES:**—Same as for P & B PAINT, but particularly adapted for confined places, where gases given off by the latter might be found objectionable. It should not be used in the vicinity of a flame, as the vapors are inflammable.

**APPLICATION:**—Apply the same as P & B PAINT. Should thinning be necessary, use SPECIAL P & B THINNER, which may be obtained from the manufacturers.

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### S P C

### NON-INFLAMMABLE PAINT

**COLOR:**—Black.

**COMPOSITION:**—Possesses all the virtues of P & B PAINT, but differs from this and the SPECIAL P & B PAINT in that its vapors are neither toxic nor inflammable. The base used is precisely the same, the only difference being in the nature of the solvent.

**CHARACTERISTIC PROPERTIES:**—It dries in about two hours, and the dried coating is serviceable up to temperatures of 180° F. It spreads the same as No. 2 P & B PAINT: viz., 150 square feet to the gallon.

**USES:**—It may be used in confined spaces, where a naked light must be employed, as its vapors will not ignite at temperatures under 125° F., but care should be taken to provide free access of air during its application, otherwise the vapors given off will displace the air and interfere with respiration. It is particularly adapted for interiors of tank cars, vats, cooling rooms, etc., and for use by tanners and cider and vinegar manufacturers. It may be used on either wooden or metal surfaces.

**APPLICATION:**—It dries somewhat slower than No. 2 P & B PAINT. Should the paint thicken by evaporation of the solvent, do not use anything but the S P C NON-INFLAMMABLE THINNER which may be procured from the manufacturers.



S P C

## FLEXIBLE IRON PAINT

COLORS:—Black and Maroon.

COMPOSITION:—A tough, rubbery inert base, dissolved in a suitable volatile solvent, and ground with pigments.

CHARACTERISTIC PROPERTIES:—Dries by evaporation in from two to three hours, forming an elastic, durable, lustrous, weatherproof coat, which will not check, melt, blister or peel.

USES:—Especially adapted for painting metal roofs and gutters, and all interior metal work, such as machinery, tanks and the like.

BLACK FLEXIBLE IRON PAINT is recommended for the under-frame work of cars, trolley poles, fenders, etc., and for metal or wood work submerged underground, or immersed in water. It will be found valuable for coating ice cans as it will not chip at low temperatures, and on account of its body will stop leaks in old cans. BLACK FLEXIBLE IRON PAINT is likewise a fair insulator and will withstand approximately 300 volts per thousandth of an inch.

When dry, both the BLACK and the MAROON FLEXIBLE IRON PAINT will withstand temperatures up to 145° F. without softening. FLEXIBLE IRON PAINT should not be used where it is liable to come in contact with alkalies, nor will it resist the action of lubricating oils or petroleum vapors.

The paint may be prepared for dipping by the addition of turpentine.

APPLICATION:—Have surface absolutely clean. The paint should be stirred thoroughly to bring the pigments into uniform suspension. Will spread in the neighborhood of 250 square feet per gallon. Should it be found that the paint thickens, due to the evaporation of the solvent, it may be brought back to its original consistency by thinning with turpentine.

As the vapors are inflammable, care should be taken not to apply the paint in the vicinity of an exposed flame.



# STAR BRAND ASPHALTUM PAINT

(A Medium Grade)

COLOR:—Black.

COMPOSITION:—Consists of asphalt dissolved in a volatile solvent.

CHARACTERISTIC PROPERTIES:—It dries by evaporation to a firm and lustrous coating in about two and a half hours.

USES:—Recommended for general purposes and particularly for application to rough machinery, pipes, gas meters and other metal or wooden implements which are not to be subjected to extreme service or rough usage. Will not withstand the action of lubricating oils or the effects of severe exposure.

APPLICATION:—If the paint thickens, it may be brought to its original consistency by thinning with benzine. Spreads about 250 square feet to the gallon.



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## SPECIAL ASPHALTUM PAINT

COLOR:—Black.

COMPOSITION:—Consists of asphalt dissolved in a volatile solvent.

CHARACTERISTIC PROPERTIES:—Dries by evaporation in from three to five hours.

USES:—Recommended for use where long wearing qualities are not essential. This is a low priced competition grade of paint which obviously cannot be relied upon for long exposure to weather. For protecting metal parts in transit or for temporary protection, this paint will be found an excellent and economical material. It forms a glossy coat, and spreads 250 feet per gallon. Should the paint thicken from loss of solvent, it may be thinned with benzine or naphtha.

## S P C BOILER AND STACK PAINT

COLOR:—Black.

COMPOSITION:—A varnish-like preparation designed to withstand high temperatures, exposure to the weather and corrosive fumes.

CHARACTERISTIC PROPERTIES:—Dries by evaporation, but the coating hardens upon being subjected to the action of heat, causing it to undergo a process of baking. This results in the formation of a smooth, hard, glossy coating which will neither peel or blister. Care should be taken not to apply the paint near an open fire, although it may spread without danger of igniting on warm surfaces.

USES:—For application to boiler fronts, metal stacks, steam pipes, radiators, etc. It is not recommended for surfaces heated higher than 600° to 700° F.

APPLICATION:—Have surfaces absolutely clean and preferably cold. When applied to cold surfaces the coating will air dry in about six hours, and will then harden solely upon heating. It spreads in the neighborhood of 250 square feet to the gallon, and may, if necessary, be thinned with benzine.



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## PEACOCK BRAND READY ROOFING PAINT

COLOR:—Black.

COMPOSITION:—Consists of an asphalt base dissolved in a volatile solvent.

CHARACTERISTIC PROPERTIES:—Dries by evaporation to a tough, elastic coating, in from three to five hours.

USES:—Adapted for painting ready roofings.

APPLICATION:—The surface of the roofing should be dry and free from dirt. This paint will spread in the neighborhood of 200 square feet to the gallon.

## S P C ASPHALTUM VARNISH

COLOR:—Black.

COMPOSITION:—Consists of a mixture of high grade asphalt, combined with pure linseed oil and solvent.

CHARACTERISTIC PROPERTIES:—Air dries to a dust-free coating in about two hours, and sets to an extremely hard and highly resistant coat in 12 to 18 hours, which will withstand abrasion and hard wear. It is adapted for both indoor and outdoor wood and metal work, and will maintain its lustre for a long time upon exposure to the weather. The dried coating will resist the action of lubricating oil, and will not soften up to a temperature of 212° F.

USES:—For high grade machinery locomotive cabs, tenders, passenger car equipment iron work, such as hand rails, truss rods, door posts and sills, motor and dynamo cases, etc.

APPLICATION:—Should be flowed on, and will form a smooth coat, free from brush marks. The surface should be perfectly clean, and free from moisture, grease and rust. The varnish needs no stirring, and it will spread in the neighborhood of 500 square feet to the gallon. If necessary turpentine should be used as a thinner.



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## S P C FLOOR VARNISH

COLOR:—Transparent.

COMPOSITION:—Good varnish gums combined with linseed and China wood oil, dryers and solvent.

CHARACTERISTIC PROPERTIES:—Air dries to a dust-free coat in about four hours and forms a glossy, tough and durable coat in 24 to 48 hours.

S P C Floor Varnish is pale in color—flows very readily under the brush and contains sufficient oil to impart to it an unusual degree of extreme toughness.

USES:—For indoor woodwork only. It answers admirably for floors, furniture and trimming. It will not easily scratch or mar.

APPLICATION:—The wooden surface should be sand-papered smooth, well filled, rubbed down and then one or two coats of S P C Floor Varnish applied. After a 24-hour interval it may be rubbed down if desired. It will spread in the neighborhood of 500 sq. ft. per gallon and in case of necessity can be thinned with turpentine.



## IMP ASBESTOGUM CEMENT

The Stop Leak Cement

A Material of Many Uses

IMP ASBESTOGUM is a plastic composition, made from asphalt, a volatile solvent and fibrous matter. When set it is thoroughly waterproof and pliable, and will hold firmly to felt or metal roofings, cement, brick work, wood and glass. It may be applied with a trowel. Invaluable for pointing up around chimneys and fire-walls or for spreading over leaky roofs. It may be applied to either wet or dry surfaces, and in all kinds of weather. Especially adapted for steam boiler settings, to make them airtight, resulting in the saving of fuel, and at the same time protecting the wall by excluding moisture entirely.

Put up in 5, 10 and 50 lb. cans, half barrels of about 275 lbs., and barrels of 450 lbs.

Circulars and further information upon request.



TABLE SHOWING USES OF THE STANDARD  
PAINT COMPANY'S PAINTS

